

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-248459

(43)Date of publication of application : 17.09.1999

(51)Int.Cl.

G01C 19/56

G01P 9/04

(21)Application number : 10-049464

(71)Applicant : NGK INSULATORS LTD

(22)Date of filing : 02.03.1998

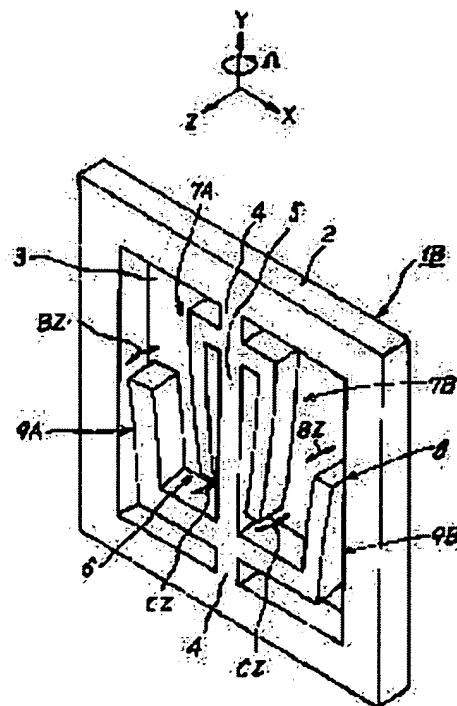
(72)Inventor : KIKUCHI TAKAYUKI
AIDIN DOGAN

(54) OSCILLATOR AND OSCILLATORY GYROSCOPE AND METHOD FOR MEASURING ROTATIONAL ANGULAR VELOCITY

(57)Abstract:

PROBLEM TO BE SOLVED: To develop an oscillatory gyroscope based on a new principle.

SOLUTION: An oscillator 1B is provided with a first tuning-fork oscillation system 8 constituted of a pair of oscillating pieces 9A and 9B, second tuning-fork oscillation system 6 constituted of a pair of oscillating pieces 7A and 7B, and a base part 5. The base part 5 holds each oscillating piece 9A and 9B of the first tuning-fork oscillation system, and holds each oscillating piece 7A and 7B of the second tuning-fork oscillation system. For example, when driving oscillation in an X-axial direction is excited in the first tuning-fork oscillation system 8, and an oscillator is rotated with a Y axis as a center, each oscillating piece 9A and 9B is allowed to oscillate like BZ according to this rotational component, and each oscillating piece 7A and 7B is allowed to oscillate like CZ according to this. Then, distortion due to the oscillation CZ is detected.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

BEST AVAILABLE COPY

rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office

BEST AVAILABLE COPY